

Method for raising titanium dioxide film self-cleaning glass photocatalytic activity

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Abstract of **CN1400186**

The method for raising optical catalytic activity of titanium dioxide film self-cleaning glass is applicable to the fields of building window, car glass and optical glass, uses glass as base body forcoating film and includes the following steps: using sol-gel method to prepare titanium dioxide film, impregnating glass surface and coating film, acid treating surface of titanium dioxide film, washing with water and drying, the sodium ion of titanium dioxide film surface can be controlled in 0.3%, carbon content of film surface is reduced, hydroxy content of surface is increased, so that the optical catalytic activity of the glass can be greatly raised. It features signal method, effective and easy-to-control glass quality.

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